

Appl. No. 10/658,169  
Amdt. dated April 13, 2005  
Reply to Office Action of December 14, 2004

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 7, lines 31, with the following rewritten paragraph:

FIG. 10 shows a graph of a change in the impedance real part as a function of a frequency in actual PCR cycles. As shown in FIG. 10, as the number of PCR cycles increases, the concentration of DNA increases and thus there are considerably differences among the impedance real parts. This corresponds to the theory that when the number of PCR cycles is  $n$ , the number of DNA is amplified by  $2^n$  times.